

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1-54. (Cancelled)

55. (Currently amended) A surgical suction irrigation ~~handpiece~~apparatus comprising:

| a handpiece including a housing comprising a suction port connectable to a suction source, an irrigation liquid inlet port, and a third port opposable to a surgical site;

an irrigation liquid flow control assembly on said housing;

| a remote irrigation liquid pump unit and an elongate irrigation liquid path connecting said pump unit and said handpiece; and

a suction flow control assembly on said handpiece including (1) a hand engagable, reciprocating member comprising a reciprocating valve element in the suction flow path linearly movable along an axis to open the suction flow path and (2) a hand engagable, rotating member adjacent and separate from said hand engagable, reciprocating member, said hand engagable, rotating member comprising a rotatable valve element.

| 56. (Currently amended) The ~~handpiece~~apparatus of Claim 55, including a suction flow path between said third port and suction port, wherein the hand engagable, reciprocating member is operable to provide maximum suction regardless of the position of the hand engagable, rotating member and said rotating member remaining stationary during movement of said hand engagable, reciprocating member.

57. (Currently amended) The ~~handpiece~~apparatus of Claim 56 in which said reciprocating valve element has a closed position and said rotating valve element has an open position defining a suction flow bypass around said reciprocating valve element when said reciprocating valve element is in the closed position.

58-64. (Cancelled)

65. (Previously presented) A surgical suction irrigation apparatus, comprising:

a handpiece:

a pump unit having a gravity irrigation liquid supply inlet and a gravity irrigation liquid flow conduit connected between said inlet and handpiece, a pressure adding impeller in said conduit, said impeller having a deenergized condition in which it is inert to gravity pressure, irrigation liquid flow to said conduit, said impeller having an energized, pressure adding condition in which irrigation liquid in said conduit downstream of said impeller is at higher than gravity pressure;

a suction valve on said handpiece between a suction source connection on said handpiece and a surgical site connectable port on said handpiece;

an irrigation liquid valve on said handpiece between said port and an irrigation liquid inlet connection to said conduit, said irrigation liquid valve including an impeller deenergized/impeller energized control operatively connected to said pump unit, said liquid valve having: 1) a fully closed position corresponding to said de-energized condition of said pump unit and closing off of the irrigation liquid inlet connection from said conduit; 2) partially closed positions corresponding to said de-energized condition of said pump unit that provide gravitational pressure irrigation liquid to said conduit; 3) partially open positions corresponding to said energized condition of said pump unit to provide greater than

gravitational pressure irrigation liquid to said conduit; and
4) a fully open position corresponding to said energized condition of said pump unit to provide maximum irrigation liquid to said conduit.

66. (Previously presented) The apparatus of Claim 65 in which said control comprises a switch on said handpiece and a signal path between said switch and said pump unit.

67. (Previously presented) The apparatus of Claim 66 in which said switch is an electric switch and said signal path is an electric current flow path.

68. (Previously presented) The apparatus of Claim 67 in which said pump unit comprises an electric current source and said irrigation liquid inlet is formed as an upstanding hollow spike having an irrigation liquid supply bag engagable, hanger portion.

69-77. (Cancelled)

78. (Previously presented) The surgical suction irrigation apparatus of Claim 65, wherein said irrigation flow control actuator comprises a push button that closes an electric switch to energize said pump unit when said liquid valve is about 1/3 open.

79-88. (Cancelled)

89. (Currently amended) The surgical suction irrigation ~~handpiece~~apparatus of Claim 55, wherein said hand engagable rotating member includes an arm projecting radially outwardly relative to the axis for rotating said rotatable valve element in the suction flow path about the axis.

90. (New) The apparatus of Claim 65, further comprising a suction flow control assembly on said handpiece including said suction valve, said suction valve including a hand engagable, reciprocating member comprising a reciprocating valve element in the suction flow path linearly movable along an axis to open the suction flow path.

91. (New) The apparatus of Claim 90, said suction flow control assembly further comprising a hand engagable, rotating member adjacent and separate from said hand engagable, reciprocating valve element, said hand engagable, rotating member comprising a rotatable valve element,

wherein said reciprocating valve element has a closed position and said rotatable valve element has an open position defining a suction flow bypass around said reciprocating valve element when said reciprocating valve element is in the closed position.

92. (New) The apparatus of Claim 91, wherein the hand engagable, reciprocating member is operable to provide maximum suction regardless of the position of the hand engagable, rotating member.

93. (New) The apparatus of Claim 91, wherein said rotating member remains stationary during movement of said hand engagable, reciprocating member.

94. (New) The surgical suction irrigation handpiece of Claim 91, wherein said hand engagable, rotating member includes an arm projecting radially outwardly relative to the axis for rotating said rotatable valve element in the suction flow path about the axis.